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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/032,816	MINEMOTO, MASATERU	
	<b>Examiner</b>	<b>Art Unit</b>	
	Trenton J. Roche	2193	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed 8 June 2005.
2. ☒ The allowed claim(s) is/are 4-23, renumbered as 1-20.
3. ☒ The drawings filed on 10 February 2005 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

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### DETAILED ACTION

1. This Office Action is responsive to communications filed 8 June 2005.
2. Per applicant's request, amended claims 4 and 14 have been entered. Claims 4-23 are now pending.
3. Claims 4-23 have been examined.

### *Response to Arguments*

4. Applicant's arguments, see pages 8 and 9 of the Remarks, filed 8 June 2005, with respect to claims 4, 6, 7, 9-16, 18, 19 and 21-23 have been fully considered and are persuasive. The rejection of claims 4, 6, 7, 9-16, 18, 19 and 21-23 under 35 U.S.C. § 103(a) has been withdrawn.

### *Allowable Subject Matter & Examiner's Statement of Reason(s) for Allowance*

5. Claims 4-23 (renumbered as 1-20) are allowed.
6. The following is an examiner's statement of reasons for allowance:

The closest found prior art of record, specifically, U.S. Patent 6,628,312 to Rao et al., taken alone or in combination, fails to teach or reasonably suggest a device and method for developing a multi-dimensional flowchart in accordance with independent claims 1 and 14. Specifically, Rao et al. does not teach at least *an object file unit storing object information for creating a multi-dimensional horizontally written flowchart, and object editing unit for using object information read from said object file unit to edit said multi-dimensional flowchart...said object information including program flowchart symbol information, coordinate information, cell information and character information, said coordinate information including a combination of (i) a time axis, a data axis and a control axis, (ii) the time axis, the data axis, the control axis and a CPU axis, (iii) the*

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*time axis, the data axis, the control axis, the CPU axis and an event axis, (iv) the time axis, the data axis, the control axis, the CPU axis, the event axis and a condition axis, and (v) the time axis, the data axis, the control axis, the CPU axis, the event axis, the condition axis and a PC axis.* (claim 1). Similar limitations are recited in independent claim 14.

Instead, Rao et al. discloses a software visualization tool which supports a number of operations on data sets, such as the ability to store the multidimensional data sets using abstract data models partitioned into dimensions, convert portions of the data sets into visual models having dimensions, and displaying visually the multidimensional data on a computer display. However, Rao et al. does not disclose data set information including a combination of (i) a time axis, a data axis and a control axis, (ii) the time axis, the data axis, the control axis and a CPU axis, (iii) the time axis, the data axis, the control axis, the CPU axis and an event axis, (iv) the time axis, the data axis, the control axis, the CPU axis, the event axis and a condition axis, and (v) the time axis, the data axis, the control axis, the CPU axis, the event axis, the condition axis and a PC axis.

Furthermore, the object file unit is being interpreted, consistent with the specification, to be an object file stored on a tangible medium of the device, thereby resulting in a tangibly embodied invention consistent with the requirements of 35 U.S.C. § 101.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trent J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Trent J Roche  
Examiner  
Art Unit 2193

TJR

  
KAKALI CHAKI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100